## Power Cost Memorandum Fuel Cost Update and Surcharge Change

				Date:	October 21, 2	021	
Utility Name (Cert. No.) UNALASKA, CITY of (1	06)	Utility File No. PC39-1018I			Date Filed: October 11, 2021		
PCE AMOUNT		viously			Staff		
SUMMARY		proved			Recommended		
_		9-1018H			PC39-1018I		
Class		pproved:			Effective Date		
Rate	Octobe	er 8, 2021			October 22, 2021		
Desidential	¢ο	1056			<b>CO 1064</b>		
Residential		1256			\$0.1264		
Small General		1256			\$0.1264		
Large General Industrial		1256 1256			\$0.1264 \$0.1264		
industrial	ψ0.	1250			ψ0.1204		
		_					
	Interim	Permanent		Interim	✓ Permanent		
Prior Fuel Dure	phase Price: ¢ 2.5792	)		Now Eur	I Durchaca Briga:	œ ·	2 6406
	chase Price: \$ 2.5782	<u>-</u>			I Purchase Price:	<b>Φ</b>	2.6106
_	Actual Weighted			✓ <i>F</i>	Actual Weighted		
Delivery Charge:	N/A Surch	arge Change:	Previous	0.18955	Updated_		).17215
Signed: Bra	nda Cox						
	Brenda Cox			Utility Financia	ıl Analyst		
Commission decision	re. this recommendat	ion :					
				I WIL	L WRITE		
	Date (if different	1	I DO NOT	A DIS	SENTING		
	from 10/21/21)	CONCUR	CONCUR	STAT	EMENT *		
Pickett		RMP					
Kurber		JWW for KKI					
Scott		AGS AGS					
Sullivan RMP for D							
Wilson							

Special Instructions to Staff:

<sup>\*</sup>If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

## **CITY OF UNALASKA**

POWER COST EQUALIZATION CALCULATION BASED ON NON-FUEL COSTS FROM THE TEST YEAR ENDING JUNE 30, 2018 Fuel Cost Update and Surcharge Change

Prior   Commission   Approval   Per Utility   Recommended	uei Cc	ost Opdate and Surcharge Change	PC39-1018H		PC39-1018I
Approval   Per Utility   Recommended   57,936,250   57,					
A. Total kWh Generated 57,936,250 57,936,250 57,936,250 B. Total kWh Sold (Appendix 2) 55,325,767 55,325,767 55,325,767 C. Total Non-Fuel Costs (Appendix 2) 8,931,391 8,931,391 8,931,391 D. Non-Fuel Cost/KWH (C / B) \$0.1614 \$0.1614 \$0.1614 \$0.1614 E. Total Fuel and Purchased Power Costs 9,463,527 9,511,122 9,511,122 F. Fuel and Purchased Power Costs/KWH G. Eligible Costs/KWH (D + F) \$0.3325 \$0.3333 \$0.3333 H. Eligible Cost/KWH (G) less base rate in effect \$0.1322 \$0.1330 \$0.1330 J. Average Class Rates (Appendix 3) Residential Small General \$0.2174 \$0.1973 \$0.218 \$0.2418 \$0.2458 \$0.3358 \$0.3457 \$0.3157  Class Power Cost Equalization Per kWh Payable  K. Lesser of: (I) x 95%, or (J) Residential \$0.1256 \$0.1264 \$0.1265 \$0.1264 \$				Dor Htility	
B. Total kWh Sold (Appendix 2) 55,325,767 55,325,767 55,325,767  C. Total Non-Fuel Costs (Appendix 2) 8,931,391 8,931,391 8,931,391  D. Non-Fuel Cost/KWH (C / B) \$0.1614 \$0.1614 \$0.1614 \$0.1614  E. Total Fuel and Purchased Power Costs 9,463,527 9,511,122 9,511,122  F. Fuel and Purchased Power Costs/KWH  G. Eligible Costs/KWH (D + F) \$0.3325 \$0.3333 \$0.3333  H. Eligible Cost/KWH (G) less base rate in effect \$0.1322 \$0.1330 \$0.1330  J. Average Class Rates (Appendix 3) Residential Small General \$0.218 \$0.218 \$0.218 \$0.218 \$0.3358 \$0.3358 \$0.3157 \$0.3157   K. Lesser of: (I) x 95%, or (J) Residential \$0.1256 \$0.1264 \$0.1266 \$0.1264 \$0.		T			
C. Total Non-Fuel Costs (Appendix 2)       8,931,391       8,931,391       8,931,391         D. Non-Fuel Cost/KWH (C / B)       \$0.1614       \$0.1614       \$0.1614         E. Total Fuel and Purchased Power Costs       9,463,527       9,511,122       9,511,122         F. Fuel and Purchased Power Costs/KWH       \$0.1711       \$0.1719       \$0.1719         G. Eligible Cost/KWH (G) less base rate in effect       \$0.3325       \$0.3333       \$0.3333         I. Lesser of (H) or .7997 cents/kWh       \$0.1322       \$0.1330       \$0.1330         J. Average Class Rates (Appendix 3) Residential Small General Large General Industrial       \$0.2419       \$0.2218       \$0.2218         Industrial       \$0.2174       \$0.1973       \$0.1973       \$0.1973         Value General Small General Large General Industrial       \$0.1256       \$0.1264       \$0.1264         Industrial       \$0.1256       \$0.1264       \$0.1264 <tr< td=""><td>Α.</td><td>Total kwn Generated</td><td>57,936,250</td><td>57,936,250</td><td>57,936,250</td></tr<>	Α.	Total kwn Generated	57,936,250	57,936,250	57,936,250
D. Non-Fuel Cost/KWH (C / B)  E. Total Fuel and Purchased Power Costs  F. Fuel and Purchased Power Costs/KWH  G. Eligible Costs/KWH (D + F)  Eligible Cost/KWH (G) less base rate in effect  J. Average Class Rates (Appendix 3) Residential Small General Industrial  K. Lesser of: (I) x 95%, or (J) Residential Small General Large General Sol.1256 Industrial  Sol.1256 Sol.1264 So	B.	Total kWh Sold (Appendix 2)	55,325,767	55,325,767	55,325,767
E. Total Fuel and Purchased Power Costs  F. Fuel and Purchased Power Costs/KWH  G. Eligible Costs/KWH (D + F)  Beligible Cost/KWH (G) less base rate in effect  Lesser of (H) or .7997 cents/kWh  Solution  Average Class Rates (Appendix 3) Residential Small General Large General Solution Residential Small General Large General Solution Residential Solution Per kWh Payable  K. Lesser of: (I) x 95%, or (J) Residential Small General Large General Large General Solution Residential Resident	C.	Total Non-Fuel Costs (Appendix 2)	8,931,391	8,931,391	8,931,391
F. Fuel and Purchased Power Costs/KWH  G. Eligible Costs/KWH (D + F)  Eligible Cost/KWH (G) less base rate in effect  So.1322  So.1330  So.1330  L. Lesser of (H) or .7997 cents/kWh  So.1322  So.1330  So.1330  So.1330  J. Average Class Rates (Appendix 3) Residential Small General Large General Industrial  K. Lesser of: (I) x 95%, or (J) Residential Small General Large General Large General Large General So.1256 So.1264 So.1264 Industrial  So.1256 So.1264 So.1	D.	Non-Fuel Cost/KWH (C / B)	\$0.1614	\$0.1614	\$0.1614
G. Eligible Costs/KWH (D + F) \$0.3325 \$0.3333 \$0.3333 \$1.  H. Eligible Cost/KWH (G) less base rate in effect \$0.1322 \$0.1330 \$0.1330\$  I. Lesser of (H) or .7997 cents/kWh \$0.1322 \$0.1330 \$0.1330\$  J. Average Class Rates (Appendix 3) Residential \$0.2419 \$0.2218 \$0.2218 \$0.218 \$0.2174 \$0.1973 \$0.1973 \$0.1973 \$0.1973 \$0.2659 \$0.2458 \$0.2458 \$0.2458 \$0.2659 \$0.2458 \$0.2458 \$0.3358 \$0.3157\$  Class Power Cost Equalization Per kWh Payable  K. Lesser of: (I) x 95%, or (J) Residential \$0.1256 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1256 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1256 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1256 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1256 \$0.1264 \$0.1264 \$0.1264 \$0.1256 \$0.1264 \$0.12	E.	Total Fuel and Purchased Power Costs	9,463,527	9,511,122	9,511,122
H. Eligible Cost/KWH (G) less base rate in effect \$0.1322 \$0.1330 \$0.1330  I. Lesser of (H) or .7997 cents/kWh \$0.1322 \$0.1330 \$0.1330  J. Average Class Rates (Appendix 3) Residential \$0.2419 \$0.2218 \$0.2218 Small General \$0.2174 \$0.1973 \$0.1973 Large General \$0.2659 \$0.2458 \$0.2458 Industrial \$0.3358 \$0.3157 \$0.3157  Class Power Cost Equalization Per kWh Payable  K. Lesser of: (I) x 95%, or (J) Residential \$0.1256 \$0.1264 \$0.1264 Small General \$0.1256 \$0.1264 \$0.1264 Large General \$0.1256 \$0.1264 \$0.1264 Industrial \$0.1256 \$0.1264 \$0.1264 Large General \$0.1256 \$0.1264 \$0.1264 Small General \$0.1256 \$0.1264 \$0.1264 Large General \$0.1256 \$0.1264 \$0.1264 Small General \$0.1256 \$0.1264 \$0.1264 Large General \$0.1256 \$0.1264 \$0.1264 Small General \$0.1256 \$0.1264 \$0.1264	F.	Fuel and Purchased Power Costs/KWH	\$0.1711	\$0.1719	\$0.1719
Lesser of (H) or .7997 cents/kWh   \$0.1322	G.	Eligible Costs/KWH (D + F)	\$0.3325	\$0.3333	\$0.3333
I. Lesser of (H) or .7997 cents/kWh  J. Average Class Rates (Appendix 3) Residential Small General Large General Industrial  K. Lesser of: (I) x 95%, or (J) Residential Small General Large General Small General	Н.	Eligible Cost/KWH (G)			
J. Average Class Rates (Appendix 3) Residential Small General Large General Industrial  K. Lesser of: (I) x 95%, or (J) Residential Small General Large General Small General		less base rate in effect	\$0.1322	\$0.1330	\$0.1330
Residential Small General Sm	I.	Lesser of (H) or .7997 cents/kWh	\$0.1322	\$0.1330	\$0.1330
Residential Small General Sm	J.	Average Class Rates (Appendix 3)			
Large General   \$0.2659   \$0.2458   \$0.2458   \$0.3157		Residential		·	-
Solution				·	-
Class Power Cost Equalization Per kWh Payable					
No.		แนนรแล	ψ0.5550	ψ0.5151	ψ0.5157
K. Lesser of: (I) x 95%, or (J)       \$0.1256       \$0.1264       \$0.1264         Small General       \$0.1256       \$0.1264       \$0.1264         Large General       \$0.1256       \$0.1264       \$0.1264         Industrial       \$0.1256       \$0.1264       \$0.1264         L. Funding Level in Effect       100%       100%       100%         Residential       \$0.1256       \$0.1264       \$0.1264         Small General       \$0.1256       \$0.1264       \$0.1264         Large General       \$0.1256       \$0.1264       \$0.1264			Class	Power Cost Equal	ization
Residential   \$0.1256   \$0.1264			ı	Э	
Residential   \$0.1256   \$0.1264   \$0.1264   Small General   \$0.1256   \$0.1264   \$0.1264   Small General   \$0.1256   \$0.1264   \$0.1264   Small General   \$0.1256	K	Lesser of: (I) x 95% or (J)			
Large General       \$0.1256       \$0.1264       \$0.1264         Industrial       \$0.1256       \$0.1264       \$0.1264         L. Funding Level in Effect       100%       100%       100%         Residential       \$0.1256       \$0.1264       \$0.1264         Small General       \$0.1256       \$0.1264       \$0.1264         Large General       \$0.1256       \$0.1264       \$0.1264			\$0.1256	\$0.1264	\$0.1264
Industrial   \$0.1256   \$0.1264   \$		Small General	\$0.1256	\$0.1264	\$0.1264
L. Funding Level in Effect 100% 100% 100%  Residential \$0.1256 \$0.1264		Large General	\$0.1256	\$0.1264	\$0.1264
Residential \$0.1256 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264 \$0.1264		Industrial	\$0.1256	\$0.1264	\$0.1264
Small General       \$0.1256       \$0.1264       \$0.1264         Large General       \$0.1256       \$0.1264       \$0.1264	L.	Funding Level in Effect	100%	100%	100%
Small General       \$0.1256       \$0.1264       \$0.1264         Large General       \$0.1256       \$0.1264       \$0.1264		Decidential	¢0.4050	¢0.40¢4	<b>60.4064</b>
Large General \$0.1256 \$0.1264 \$0.1264					
					· ·

## **CITY OF UNALASKA**

SCHEDULE OF ELIGIBLE POWER COSTS, SALES AND EFFICIENCY BASED ON NON-FUEL COSTS FROM THE TEST YEAR ENDING JUNE 30, 2018 Fuel Cost Update and Surcharge Change

Fuel Cost Update and Surcharge Change				PC39-1018H	PC39-1018I	
Non-Fuel Costs:			Prior Commission Approval	Per Utility	Staff Recommended	
A.	Personnel Costs			2,342,446	2,342,446	2,342,446
В.	Operating Expenses			8,709	8,709	8,709
C.	General and Administrative/Fa	cilitie	s Main.	126,448	126,448	126,448
D.	Administration			1,510,037	1,510,037	1,510,037
E.	Interest Expense/Power Produ	ıction		542,674	542,674	542,674
F.	Other (Describe)/Line Repair 8	& Mair	nt.	1,201,781	1,201,781	1,201,781
G.	Depreciaiton			3,199,297	3,199,297	3,199,297
Н.	H. Total Non-Fuel Costs			8,931,391	8,931,391	8,931,391
Fue	l Costs:					
l.	Gallons Consumed for Electric Generation			3,643,265	3,643,265	3,643,265
J.	Price of Fuel: (per gal.)		9/30/2021	\$2.5782	\$2.6106	\$2.6106
K.	Total Cost of Fuel			\$9,393,212	\$9,511,122	\$9,511,122
L.	Total Cost of Purchased Power	er		\$0	\$0	\$0
M.	TOTAL fuel cost & purchased	powe	r	\$9,393,212	\$9,511,122	\$9,511,122
N.	kWh Sold			55,325,767	55,325,767	55,325,767
Ο.	kWh Station Service			866,641	866,641	866,641
Ρ.	Efficiency	<u>≥</u>	13.5	15.90	15.90	15.90
	Line Loss h generated-(kWh sold + Statio	≤ on Sei	12% rvice))/kWh	3.01%	3.01%	3.01%

(kWh generated-(kWh sold + Station Service))/kWh generated

## **CITY OF UNALASKA**

Surcharge	0.172150							
Calculation (	of Average Class	Rate per kWh						
	ule: Residential	rtate per kvvii		Customer	Charge (CC):	\$8.00		
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
kWh	(-)	Surcharge	Total	Total	Avg.	Avg. Rate		
by	Rate	If Applicable	(\$/kWh)	\$	(\$/kWh)	(\$/kWh) -		
Block	(\$/kWh)	(\$/kWh)	(2+3)	(1x4)+CC	(5)/(1)	0.2003		
500	0.000050	0.470450	0.400400	044.05	0.40040	kWh		
500	0.233950	0.172150	0.406100	211.05	0.42210	0.2218		
500 TOTAL (A)				211.05	0.42210	0.2218 (E)		
						<b>#</b> 40.00		
	ule: Small Gener		(4)		Charge (CC):	\$10.00		
(1) kWh	(2)	(3)	(4) Total	(5) Total	(6)	(7)		
by	Rate	Surcharge If Applicable	(\$/kWh)	s s	Avg. (\$/kWh)	Avg. Rate (\$/kWh) -		
Block	(\$/kWh)	(\$/kWh)	(\$/KVVII) (2+3)	φ (1x4)+CC	(5)/(1)	0.2003		
DIOCK	(\$/KVVII)	(Φ/ΚΥΥΙΙ)	(2+3)	(184)+00	(3)/(1)	0.2003 kWh		
500	0.205450	0.172150	0.377600	198.80	0.39760	0.1973		
500				198.80	0.39760	0.1973		
TOTAL (A)						(E)		
Rate Schedu	ule: Large Gener	al		Customer	Charge (CC):	\$50.00		
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
kWh	` '	Surcharge	Total	Total	Avg.	Avg. Rate		
by	Rate	If Applicable	(\$/kWh)	\$	(\$/kWh)	(\$/kWh) -		
Block	(\$/kWh)	(\$/kWh)	(2+3)	(1x4)+CC	(5)/(1)	0.2003		
						kWh		
500	0.173950	0.172150	0.346100	223.05	0.44610	0.2458		
500		-		223.05	0.44610	0.2458		
TOTAL (A)						(E)		
Rate Schedule: Industrial Customer Charge (CC): \$100.00								
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
kWh	(-)	Surcharge	Total	Total	Avg.	Avg. Rate		
by					U	_		
	Rate	If Applicable	(\$/kWh)	\$	(\$/kWh)	(\$/kWh) -		
Block	Rate (\$/kWh)	If Applicable (\$/kWh)	(\$/kWh) (2+3)	\$ (1x4)+CC	(\$/kWh) (5)/(1)	(\$/kWh) - 0.2003		

Block	(\$/kWh)	(\$/kWh)	(2+3)	(1x4)+CC	(5)/(1)	0.2003
						kWh
500	0.143850	0.172150	0.316000	258.00	0.51600	0.3157
500				258.00	0.51600	0.3157
TOTAL (A)						(E)

Signature: West M Pulet

Email: bob.pickett@alaska.gov

Signature:

Email: antony.scott@alaska.gov

Signature: Janis W. Wilson

Janis W. Wilson (Oct 21, 2021 11:22 AKDT)

Email: janis.wilson@alaska.gov